

CERES SCF STATUS

<i>Description</i>	<i>September 22, 2004 Status</i>	<i>Problems</i>
SUN Upgrades	No new updates.	
SGI Upgrades	The CERES testbed system (<i>ctb-g.larc.nasa.gov</i>) was upgraded from IRIX 6.5.22m to IRIX 6.5.25m. The existing compilers on this system remain the same. We are currently investigating upgrading the compilers once the MipsPRO 7.4.3m compilers are released in December to resolve the 3211 error being reported by the TISA subsystem. The toolkit brands SGI32 and SGI64 were recompiled due to the upgrade. The toolkit brand SGI continues to fail to compile at this time.	
MAC Upgrades	No new updates.	
PC Upgrades	No new updates.	
Thunder, Lightning & Lanina	<p>We have experienced three disk failures this past reporting period. The affected file systems from the first two disk failures, have either been restored from tape, or the data was moved to the new disk prior to the failing disk becoming completely inaccessible.</p> <p>The nearline storage Macintosh system was assembled this past reporting period. Four raids have been assembled into two partitions. We are modifying the tools to access the nearline raid space on the backend network at this time. Some testing is required before it is ready to accept file transfers.</p> <p>At this time we are limping on two tape drives in the Exabyte library attached to <i>thunder</i>. We are investigating having a drive replaced. We are also experiencing some bad tapes in the tape library and only have a limited number of new tapes for replacement.</p>	

<i>Description</i>	<i>September 22, 2004 Status</i>	<i>Problems</i>
Thunder, Lightning & Lanina	<p>The CERES testbed OS/Compilers test schedule, as previously revised, is shown below.</p> <p>1.) Inversion (Complete) Sandy has completed testing of the Inversion subsystem. No problems were reported.</p> <p>2.) Instrument (Complete) Denise has completed testing of the Instrument subsystem. No problems were reported.</p> <p>3.) Clouds (In progress) Walt is in the process of testing at this time.</p> <p>4.) SARB (In progress) Scott is in the process of testing at this time.</p> <p>5.) GGEO (In progress) Joe is in the process of testing at this time.</p> <p>6.) TISA (Complete) Raja has completed testing.</p> <p>7.) ERBELIKE (Complete) Dale has completed testing.</p>	
Security	We are accessing the latest security scan at this time.	

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Toolkit	<div>No new updates.</div> <div>Prior Info: The latest tested version of the toolkit is version 2.9.v1.00. The latest version of the toolkit installed but not tested is version 2.10.v1.00. This chart reflects the latest tested version of the toolkit by the CERES subsystems.</div> <div><table><tr><td>Software</td><td>Version</td><td></td><td></td></tr><tr><td>-----</td><td>-----</td><td></td><td></td></tr><tr><td>HDF-EOS</td><td>2.9v1.00</td><td></td><td></td></tr><tr><td>HDF-EOS</td><td>5.1.5</td><td></td><td></td></tr><tr><td>HDF</td><td>4.1r5</td><td></td><td></td></tr><tr><td>HDF</td><td>5-1.4.4</td><td></td><td></td></tr><tr><td>SDPTK</td><td>5.2.9v1.00</td><td></td><td></td></tr></table> <table><tr><td>BRAND</td><td>COMPILER</td><td>ABI</td><td>ISA</td></tr><tr><td>-----</td><td>-----</td><td>----</td><td>-----</td></tr><tr><td>sgi</td><td>f95 (NAG)</td><td>64</td><td>mips4</td></tr><tr><td>sgi32</td><td>f90 (SGI)</td><td>n32</td><td>mips3</td></tr><tr><td>sgi64</td><td>f90 (SGI)</td><td>64</td><td>mips4</td></tr></table></div>				Software	Version			-----	-----			HDF-EOS	2.9v1.00			HDF-EOS	5.1.5			HDF	4.1r5			HDF	5-1.4.4			SDPTK	5.2.9v1.00			BRAND	COMPILER	ABI	ISA	-----	-----	----	-----	sgi	f95 (NAG)	64	mips4	sgi32	f90 (SGI)	n32	mips3	sgi64	f90 (SGI)	64	mips4	
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DMSS Transfer	No new updates.																																																				
CERESlib	No new updates.																																																				

CERES SCF/DAAC Server Information

Server Name:	Asdsun	Thunder	Lightning	Lanina	ctb-g	Samantha ¹	Warlock	Darrin
<i>System Type</i>	Sun Fire V880	Origin 3800	Origin 3800	Origin 3800	Octane	Origin 2000	Origin 3800	Origin 2000
<i>Operating System</i>	Solaris 8	IRIX64 6.5.16m	IRIX64 6.5.16m	IRIX64 6.5.16m	IRIX64 6.5.25m	IRIX64 6.5.18m	IRIX64 6.5.17m	IRIX64 6.5.25m
<i>Fortran compilers</i>	SUNWspro 4.0	7.3.1.3m	7.3.1.3m	7.3.1.3m	7.4	7.3.1.3m	7.3.1.3m	7.4
<i>Toolkit (default)</i>	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1	TK5.2.7v1		TK5.2.7v1	TK5.2.7v1
<i>Toolkit (other)</i>		TK5.2.9v1	TK5.2.9v1	TK5.2.9v1	TK5.2.9v1		TK5.2.9v1	
<i>Ada</i>	N/A	1.3	1.3	1.3	1.3		1.3	1.3
<i>IDL</i>	5.6	5.5	5.5	5.5	5.5	5.5 (demo mode)	5.5	5.3
<i>NAG fortran 95</i>	1.0(439)	1.0(428)	1.0(428)	1.0(428)	1.0(428)	Removed	1.0(428)	1.0(428)
<i>HDF</i>	4.1.r3	4.1.r3	4.1.r3	4.1.r3	4.1.r3		4.1.r3	
<i>Proposed upgrades</i>	None	None	None	None	None	None	None	
<i>Problems</i>	None	None	None	None	None	None	None	None

1. New *samantha* (previously *trance*).

NOTES:

Currently the SCF is not able to backup all data stored on the SCF servers. On the SCF SGI servers: *thunder*, *lightning* and *lanina* the partitions ending with an "-" followed by a numeric number are currently being backed up on a regular schedule. The partitions ending with an "-" followed by an alpha character are considered scratch space and are not being backed up. Any data stored on these non-backed up partitions should be considered recoverable or reproducible from other sources.

Systems *warlock* and *samantha2* were merged into one system (*warlock*) on Tuesday, August 19.

All CERES processing was transitioned to *warlock*.

Date last updated (server info chart only): 09/22/04